

A CLEAN VERSION OF THE CLAIMS AS AMENDED

cl 1. A method of forming transmission lines and openings for buried passive components in green tapes comprising

embossing a channel or opening directly into the surface of a green tape using an embossing tool having a desired pattern thereon using heat and pressure sufficient to transfer the pattern from the embossing tool to the green tape, and

screen printing a suitable ink into the channel or opening to fill the channel or opening.

2. A method according to claim 1 wherein embossed transmission line channels are filled with a conductive ink.

3. A method according to claim 2 wherein the conductive ink includes silver powder and an organic vehicle to provide a viscosity of about 30 poise.

4. A method according to claim 1 wherein embossed openings are made in a green tape and screen printed to fill the opening using a resistor ink.

5. A method according to claim 1 wherein embossed openings are made in a green tape and screen printed to fill the opening using a capacitor ink.

6. A method according to claim 5 wherein said capacitor ink includes lead magnesium niobate.

C1 7. A method according to claim 5 wherein said capacitor ink includes barium titanate.

C2 9. A method of making buried passive components in a multilayer green tape stack comprising

a) embossing an opening of a desired shape and size using an embossing tool and heat and pressure sufficient to transfer the pattern from the embossing tool to the green tape directly into the surface of a green tape;

b) filling said opening by screen printing with an ink including said component material;

c) burying said green tape in a green tape stack;

d) aligning and laminating said stack onto a metal support board coated with a low melt temperature glass; and

e) firing said stack to remove organic materials and to densify the glass of the green tape.

C3 11. A method according to claim 9 wherein said support board is of metal.

Docket No. SAR 12743

A Petition for a one month extension of the term for
response is also attached.

Respectfully submitted,

MICHAEL JAMES LIBERATORE et al

By

Birgit E. Morris
Birgit E. Morris

Registration No. 24,484



Birgit E. Morris
5 Tall Timbers Drive
Princeton, NJ 08540
(609) 921-1695

RECEIVED

MAY 24 2001

TC 1700

Please continue to send all correspondence to

William J. Burke, Esq
Sarnoff Corporation
CN 5300
Princeton, NJ 08543-5300

The undersigned certifies that this correspondence
is being deposited as first class mail with the
United States Postal Service in an envelope
addressed to the Assistant Commissioner for Patents
Washington, DC 20231 on

May 17, 2001

William R. Morris

Name of person making deposit

William R Morris

Signature